1627

1600

#14

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/646,353B**

DATE: 07/19/2002 P.6
TIME: 14:53:50

Input Set : **A:\273884.app**
Output Set: **N:\CRF3\07192002\I646353B.raw**

```
   3 <110> APPLICANT: CHOO, YEN
   4         ISALAN, MARK
   6 <120> TITLE OF INVENTION: NUCLEIC ACID BINDING PROTEINS
   8 <130> FILE REFERENCE: 71278/273884
  10 <140> CURRENT APPLICATION NUMBER: 09/646,353B
C--> 11 <141> CURRENT FILING DATE: 2002-07-03
  13 <150> PRIOR APPLICATION NUMBER: GB 9805576.7
  14 <151> PRIOR FILING DATE: 1998-03-17
  16 <150> PRIOR APPLICATION NUMBER: GB 9806895.0
  17 <151> PRIOR FILING DATE: 1998-03-31
  19 <150> PRIOR APPLICATION NUMBER: GB 9807246.5
  20 <151> PRIOR FILING DATE: 1998-04-03
  22 <160> NUMBER OF SEQ ID NOS: 80
  24 <170> SOFTWARE: PatentIn Ver. 2.1
  26 <210> SEQ ID NO: 1
  27 <211> LENGTH: 26
  28 <212> TYPE: PRT
  29 <213> ORGANISM: Artificial Sequence
  31 <220> FEATURE:
  32 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
  34 <400> SEQUENCE: 1
  35 Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Lys Ser Asp
  36    1               5                   10                  15
  38 Leu Val Lys His Gln Arg Thr His Thr Gly
  39               20                  25
  41 <210> SEQ ID NO: 2
  42 <211> LENGTH: 29
  43 <212> TYPE: PRT
  44 <213> ORGANISM: Artificial Sequence
  46 <220> FEATURE:
  47 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
  49 <400> SEQUENCE: 2
  50 Pro Tyr Lys Cys Ser Glu Cys Gly Lys Ala Phe Ser Gln Lys Ser Asn
  51    1               5                   10                  15
  53 Leu Thr Arg His Gln Arg Ile His Thr Gly Glu Lys Pro
  54               20                  25
  56 <210> SEQ ID NO: 3
  57 <211> LENGTH: 5
  58 <212> TYPE: PRT
  59 <213> ORGANISM: Artificial Sequence
  61 <220> FEATURE:
  62 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
  64 <400> SEQUENCE: 3
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RAW SEQUENCE LISTING   DATE: 07/19/2002
PATENT APPLICATION: US/09/646,353B   TIME: 14:53:50

Input Set : A:\273884.app
Output Set: N:\CRF3\07192002\I646353B.raw

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 65 Thr Gly Glu Lys Pro
 66   1                 5
 68 <210> SEQ ID NO: 4
 69 <211> LENGTH: 9
 70 <212> TYPE: DNA
 71 <213> ORGANISM: Artificial Sequence
 73 <220> FEATURE:
 74 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 75       oligonucleotide
 77 <220> FEATURE:
 78 <221> NAME/KEY: modified_base
 79 <222> LOCATION: (5)
 80 <223> OTHER INFORMATION: 5-methyl cytosine, Thymine or Cytosine
 82 <400> SEQUENCE: 4
```
W--> `83 gcggnggcg`   9
```
 86 <210> SEQ ID NO: 5
 87. <211> LENGTH: 10
 88 <212> TYPE: PRT
 89 <213> ORGANISM: Artificial Sequence
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc Finger
 93       peptide
 95 <400> SEQUENCE: 5
 96 Arg Glu Asp Val Leu Ile Arg His Gly Lys
 97   1                 5                 10
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 10
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
108 <400> SEQUENCE: 6
109 Arg Ala Asp Ala Leu Met Val His Lys Arg
110   1                 5                 10
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 10
115 <212> TYPE: PRT
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
119 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
121 <400> SEQUENCE: 7
122 Arg Gly Pro Asp Leu Ala Arg His Gly Arg
123   1                 5                 10
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 10
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
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PATENT APPLICATION: US/09/646,353B   TIME: 14:53:50

Input Set : A:\273884.app
Output Set: N:\CRF3\07192002\I646353B.raw

```
134 <400> SEQUENCE: 8
135 Arg Ala Asp Ala Leu Met Val His Lys Arg
136   1               5                   10
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 10
141 <212> TYPE: PRT
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
147 <400> SEQUENCE: 9
148 Arg Gly Pro Asp Leu Ala Arg His Gly Arg
149   1               5                   10
152 <210> SEQ ID NO: 10
153 <211> LENGTH: 10
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
160 <400> SEQUENCE: 10
161 Arg Glu Asp Val Leu Ile Arg His Gly Lys
162   1               5                   10
165 <210> SEQ ID NO: 11
166 <211> LENGTH: 60
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
172       oligonucleotide
174 <400> SEQUENCE: 11
175 ctcctgcagt tggacctgtg ccatggccgg ctgggccgca tagaatggaa caactaaagc        60
178 <210> SEQ ID NO: 12
179 <211> LENGTH: 39
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
185       oligonucleotide
187 <220> FEATURE:
188 <221> NAME/KEY: modified_base
189 <222> LOCATION: (8)..(11)
190 <223> OTHER INFORMATION: GGMC or GMGC, where M is 5-Methyl Cytosine
192 <400> SEQUENCE: 12
193 tatagtgnnn nggcgtgtca cagtcagtcc acacacgtc                              39
196 <210> SEQ ID NO: 13
197 <211> LENGTH: 9
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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W-->

RAW SEQUENCE LISTING   DATE: 07/19/2002
PATENT APPLICATION: US/09/646,353B   TIME: 14:53:50

Input Set : A:\273884.app
Output Set: N:\CRF3\07192002\I646353B.raw

```
203         oligonucleotide
205 <400> SEQUENCE: 13
206 ggcccggcg                                                              9
209 <210> SEQ ID NO: 14
210 <211> LENGTH: 9
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
216         oligonucleotide
218 <400> SEQUENCE: 14
219 gcgccggcg                                                              9
222 <210> SEQ ID NO: 15
223 <211> LENGTH: 39
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
229         oligonucleotide
231 <220> FEATURE:
232 <221> NAME/KEY: modified_base
233 <222> LOCATION: (10)
234 <223> OTHER INFORMATION: 5-Methyl Cytosine
236 <400> SEQUENCE: 15
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240 <210> SEQ ID NO: 16
241 <211> LENGTH: 39
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
247         oligonucleotide
249 <220> FEATURE:
250 <221> NAME/KEY: modified_base
251 <222> LOCATION: (9)
252 <223> OTHER INFORMATION: 5-Methyl Cytosine
254 <400> SEQUENCE: 16
```
W--> 255 tatagtggng cggcgtgtca cagtcagtcc acacacgtc   39
```
258 <210> SEQ ID NO: 17
259 <211> LENGTH: 39
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
265         oligonucleotide
267 <220> FEATURE:
268 <221> NAME/KEY: modified_base
269 <222> LOCATION: (10)
270 <223> OTHER INFORMATION: 5-Methyl Cytosine, Thymine or Cytosine
```

```
                RAW SEQUENCE LISTING              DATE: 07/19/2002
                PATENT APPLICATION:  US/09/646,353B    TIME: 14:53:50

                Input Set : A:\273884.app
                Output Set: N:\CRF3\07192002\I646353B.raw
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```
        272 <400> SEQUENCE: 17
W--> 273 tatagtgggn cggcgtgtca cagtcagtcc acacacgtc                    39
        276 <210> SEQ ID NO: 18
        277 <211> LENGTH: 39
        278 <212> TYPE: DNA
        279 <213> ORGANISM: Artificial Sequence
        281 <220> FEATURE:
        282 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        283       oligonucleotide
        285 <220> FEATURE:
        286 <221> NAME/KEY: modified_base
        287 <222> LOCATION: (9)
        288 <223> OTHER INFORMATION: 5- Methyl Cytosine, Thymine or Cytosine
        290 <400> SEQUENCE: 18
W--> 291 tatagtggng cggcgtgtca cagtcagtcc acacacgtc                    39
        294 <210> SEQ ID NO: 19
        295 <211> LENGTH: 39
        296 <212> TYPE: DNA
        297 <213> ORGANISM: Artificial Sequence
        299 <220> FEATURE:
        300 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        301       oligonucleotide
        303 <400> SEQUENCE: 19
        304 tatagtgggt cggcgtgtca cagtcagtcc acacacgtc                    39
        307 <210> SEQ ID NO: 20
        308 <211> LENGTH: 7
        309 <212> TYPE: PRT
        310 <213> ORGANISM: Artificial Sequence
        312 <220> FEATURE:
        313 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
        314       peptide
        316 <400> SEQUENCE: 20
        317 Arg Ser Asp Glu Leu Thr Arg
        318   1             5
        321 <210> SEQ ID NO: 21
        322 <211> LENGTH: 7
        323 <212> TYPE: PRT
        324 <213> ORGANISM: Artificial Sequence
        326 <220> FEATURE:
        327 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
        328       peptide
        330 <400> SEQUENCE: 21
        331 Arg Ser Asp Glu Leu Thr Arg
        332   1             5
        335 <210> SEQ ID NO: 22
        336 <211> LENGTH: 7
        337 <212> TYPE: PRT
        338 <213> ORGANISM: Artificial Sequence
        340 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 07/19/2002
PATENT APPLICATION: US/09/646,353B   TIME: 14:53:51

Input Set : A:\273884.app
Output Set: N:\CRF3\07192002\I646353B.raw

<u>Please Note:</u>
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 5
Seq#:12; N Pos. 8,9,10,11
Seq#:15; N Pos. 10
Seq#:16; N Pos. 9
Seq#:17; N Pos. 10
Seq#:18; N Pos. 9
Seq#:35; N Pos. 4
Seq#:37; N Pos. 3
Seq#:40; Xaa Pos. -13,-11,-10,-9,-8,-6,-5,-4,-2,-1,1,2,3,5,6,8,9,10
Seq#:46; N Pos. 4
Seq#:48; N Pos. 3
Seq#:50; N Pos. 3
Seq#:53; N Pos. 4
Seq#:55; N Pos. 5
Seq#:57; N Pos. 5
Seq#:58; N Pos. 5
Seq#:60; Xaa Pos. 16,17,18,19,21,22,24,25
Seq#:67; N Pos. 29
Seq#:70; N Pos. 29
Seq#:73; N Pos. 29
Seq#:76; N Pos. 28
Seq#:79; N Pos. 29

VERIFICATION SUMMARY   DATE: 07/19/2002
PATENT APPLICATION: US/09/646,353B   TIME: 14:53:51

Input Set : **A:\273884.app**
Output Set: **N:\CRF3\07192002\I646353B.raw**

```
L:11   M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:83   M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:193  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:237  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:255  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:273  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:291  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:532  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:563  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:632  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:635  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:15
L:726  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:757  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:788  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0
L:832  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:863  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:894  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:912  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:962  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0
L:965  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:16
L:1071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0
L:1117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
L:1163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
L:1209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0
L:1255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0
```